



COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Mitsuaki OSHIMA et al.

Serial No. 09/672,946

Filed September 29, 2000

COMMUNICATION SYSTEM

: Docket No. 2000_1328

: Group Art Unit 2634

: Examiner A. Le

: Confirmation No. 7022

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OFFICE OF PETITIONS

736
Amldt
(N.E.)
11.6.04

AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE UNDER 37. CFR 1.116
EXPEDITED PROCEDURE
EXAMINING GROUP 2634

Sir:

In response to the Office Action mailed May 5, 2004, please amend the application as follows.

IN THE CLAIMS:

Please cancel claims 40-48 and add new claims 49-57 as follows.

49. A signal transmission and receiving system comprising a transmission apparatus and a receiving apparatus,

said transmission apparatus comprising:

- a mapper operable to map a first data stream to a 2-level mapped signal having two levels separated by a first amount, and to map a second data stream to an 8-level mapped signal having eight levels, each adjacent two levels of which are separated by a second amount that is less than the first amount;